

From July 10 until late in the fall no rain fell. For no long period did the wind steadily blow.

From July 10 until late in the fall no rain fell for no longer period did the wind steadily blow from the north quarter. Occasionally a fierce wind blast from the arid plains and sand hills fell to the south, where the air blows in barren gulches, or rolls in waves of heat over the heated earth, swept up their valley, causing the mesquite to spring upward in the vacuum fumes. The wind, however, was not so strong as to be blown by the cool winds sweeping southward from the frozen north. Thunder storms were at the most highly occurrences. To the south vast monads of black vapor would push up briskly and though the wind blew from that direction they stood steadily high and still as if they were immovable. As the intense, intermittent throbbing of the electrical heat of the storm caused the dark clouds to blush luridly, the arterial lightning veined them in irregular lines of intense white. The faint roar of distant thunder floated from afar, and the lightning bolts, as if from their disgust, anxiously awaiting the coming of the longest-for rain. To the north, to the east, to the west, similar storms arose; but, much to the surprise of the Tallants, they did not sweep inward with the fierce winds with which they were generally accompanied, but they rolled off to the westward, leaving the Tallant country to town. John Tallant was assured by the going inhabitant—he had been in the country three years—that the season was phenomenal in its dryness. This partial drought destroyed root acres of their corn, and shortened the yield of the other crops. The only real relation to the drought in planting. When the corn had been estimated that they had 600 bushels instead of 2,600, confidently expected. Not disheartened by the yield of sad corn in a phenomenally dry year, John Tallant in the fall ploughed the prairie he had broken preparatory to sowing wheat the next spring.

The corn was killed and the sad, desolate appearance of the brown plains, over which the cold north winds sighed mournfully or shrilly whistled, did not, owing to their untimely acquaintances, cause the Tallants to have the peculiar feeling of desolation so trying to the cheerfulness of many men and women who live in the same country, and in the same ways in the vain endeavor to escape from their surroundings. In late November, when the earth was frost-bound and the rivers fringed with ice,

The weather was perfect, clear and cold and the days and nights, hanging persistently and lowly against the northern horizon was a smoky mist that was not so much a haze as a veil, a gauze drawn across the distant sky. December came and the mornings were very cold, as yet no snow had fallen. The air was filled with ice crystals of mornings. The rising sun was guaranteed by sun dogs, that disappeared as the sun grew strong, to reappear as it sank toward the west. The sun was not so much a ball of fire as a ball of gas, causing the frost-coated grass in the valley to wave in sparkling billows. As the sun mounted higher and higher the wind strengthened, and by noon a strong wind, cold and piercing, was sweeping across the country. The grassy plain, hanging across the northern horizon, seemed to be torn by the wind, and the hills reflected upward. Standing in front of their dugout, the Fallants admired the country. The nostrils of Mrs. Tallant quivered slightly. She turned to her husband, saying she smelt smoke, as if the leaves of a distant pine forest were being crushed. He detected the odor. They turned their eyes to look to the north. The hills stared off to the hills to graze on the nutritious buffalo grass. The brood sows wandered up the creek intent on building warm nests for their expected young. By evening the black cloud that had slowly mounted half way across the sky, was now lurid with the reflected light of a great fire. The Fallants, horses and cattle came home. They were slightly excited, and frequently sniffed of the smoke-charged air. The dogs, engaged in house building, failed to come home, and as it was dark, it was useless to search for them. The Fallants, however, were not alarmed. They failed to understand the danger that threatened their neighborhood. Their buildings were protected by ploughed fields, and they thought the fire could not damage them, and they nat-

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FAIR VISIONS OF POETS.

Two Views.

The sobbing waves are lit with gold
Fouled from the setting sun;
They are humming for the old
Remembered days, dear One,
Ah! they were in another mood,
And laughed at you and me,
As hitherward we came and stood,
When young, beside the sea.

Prayer.

She is praying to the Virgin;
Imaged in the starry ecstacy;
Can the Blessed One resent her
Pleading in a voice so rich?

She is praying to the Virgin;
But to her, alone, I pray,
She, the most exquisite woman
Ever fashioned out of clay.

And the Blessed One will answer,
Though she be of soulless stone,
If the peerless woman's prayer is
Half as fervent as my own.

Parting.

When I came from my dear native village,
To mix with this measureless strife,
Rome wished me success in abundance,
Some prophesied woe of my life.

But the best-beloved maiden and fairest
Of all the sweet souls I have known,
Wished me nothing at all; smiling gently,
She sweetly parted my hand.

My Friend's Sweetheart.

I knew the sweetheart of my friend
Before he knew her,
But knew her simply as a friend,
And did not woo her.

I left the sweetheart of my friend
For cities distant;
But with me still, in quiescent dreams,
She was content.

I met the sweetheart of my friend
Upon returning,
And passionately we embraced,
Our faces burning.

Unhappy sweetheart of my friend!
Oh, wretched poet!
The friend whom I have wronged so much
Must never know it!

A Child's Death.

From the Boston Transcript.

Long waiting, watching for the day
To pleasure trumpet, and to shout,
When my child would hitch his little way
To feet not unresisting.

And mine own trouble seemed afar,
Like something long
I looked up to nature's railing star
To find a new life.

Deem in my heart—a certain hope
That faintly beamed before—
As I went the angel came to cope
And not to close the door.

There is a grief that slowly grows
In storms, through hours,
Such entrance takes and such repose
Of autumn breathes must hold.

I know what death is now—a friend,
Though oft in hostile guise;
God's messenger, who leaves behind
No glory to the skies.

T. W. PARSONS

The Young Love and the Old.

From London Lyrics.

O! the young love was as a flower,
The flower-dew of nature,
When we could not but love and love,
From dancing through the flowers;
We were glad and gay romancers,
Were thick as leaves in blossom,
And were woe and old folk's tancies,
And not the golden hour.

O! all young's a vision now, dear,
Of all the golden hours,
O! the soul to love,
O! the young love was the best, dear,
The dearest dream of youth.

O! the old love is sweet, dear,
These child October days,
When we meet, with rubbing feet, dear,
The sore and blisters;
When earth has lost its glory,
And heaven has lost its time,
And life a woe's story.

And came a comradeship,
Through hours no longer sweet, dear,
And dreams have left us far away,
O! the old love is sweet, dear,
That glides the autumn day.

—

The Comet.

From the Burlington Gazette.

Nearly love us
For a while

A Child's Death.
From the Boston Transcript.

Long waiting, watching for the day
To witness triumphs such as this;
When my child spied his life away,
I felt and trusted in his bliss.

And mine own trouble seemed afar,
Like something long and far;
And I felt a new life glow
Deep in my heart—a certain hope
That faintly burned to life.
Ah! were the Angel of Mercy on my side
And not to close the door.

There is a grief that shivers grown
In pain, through every nerve and vein;
Such sorrows, long and late, the rose
In summer's bloom could not sustain.

I know what death is now—a friend,
Though oft in loneliness I sigh;
God's messenger, whose lessons lend
New glory to the skies.

T. W. Parsons

The Young Love and the Old.
From London Society.

Oh, the young love was so sweet, dear,
The tender, the calm, the true;
When we could not keep our feet, dear,
From dancing about in the dew;
When hopes and joys and romances
Were thick as every morning,
And cries were old folk's taunts,
And the world was young;
Of all youth's vintage best, dear,
You, the golden harvest, were;
Oh, the young love was the best, dear,
That dainty dream of youth!

Oh, the old love is sweet, dear,
The faithful, the true, the true;
When we tread, with rubbing feet, dear,
The sore and blisters of pain;
When earth has lost its glory,
And heaven has lost its crown,
And life is a labor story,
And care a comradeship;
Though hopes no longer cheat, dear,
And dreams have left their way,
Oh, the old love is sweet, dear,
First since the autumn day!

The Comet.
From the Burlington Magazine.

Never have we
Far above us
Seen the comet's lightning run;
Ere midday
Midnight blazes
Billion miles above our ground.

With a tail,
Like a whip,
See it sweep and whirl and rear;
With its flapper
In the ether,
How it traces the Mo, P, B, A.

Now it's 'twain!
For it splits
Irish dust that killed the bull,
And the moon,
Poetry even,
Gives the comet's tail a pull.

Here and there,
Everywhere,
Restless spirit of joy gleam;
See it fly
With Helen Beauty's Pleiades.

Unheeded,
Famine fever,
Plague and pestilence and war;
Fetid wars,
Trouble, hurry,
That's what a comet's for.

Lots of death,
Too much wet,
Rain and hail and sand and flood;
Burning drought,
Fertile seed,
Sun-baked fields and seas of mud.

Death and bones,
Tears and grief,
Gnashing teeth and hoarse cries;
Howls and howls,
Frowns and scowls,
That's about the comet's size.

Reverting
It will bring
That it's all
How it is run,
Here it comes!
Goodness gracious, if we run!

A New York Love Song.
From the Independent.

I love you, Love, for good and ill;
As down the road I walk and stroll;
I love you, Love, for heart and will,
For sorrows such as mine;
I wish I were, I wish I were
For, as you thought you didn't doth thrill
My darling, have you any?

I love you, Love, I love you, Love;
I wish you, Love, you don't doth thrill
A sweet love is a rare, my Love,
I wish it holds no harm;
The day be I was out and away,
Not thinking any, but I came away,
To find a love with honey.

CHORUS—I love you, Love, I love you, Love;
Oh, oh, you must have honey.

JOSEPH MILLER

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SOME NEW BOOKS

Tylor's Anthropology
A trustworthy and effective study of man and civilization. American readers in Appleton's popular treatise on *Anthropology* by TYLOR. The author's aim in this scientific research is to exclude as big all matters strictly technical, and the great body of readers who have are receiving the ordinary higher

Tyler's Anthropology

A trustworthy and effective study of man and civilization for American readers in Appleton's popular treatise on *Anthropology* by TYLER. The author's aim in this scientific endeavor is to establish a basis for all matters strictly technical, and the great body of readers who have are receiving, the ordinary high school. Expounded as it is in effect of the study of anthropology rather to lighten than increase the burden for it comes to the hands of the whole the scattered subjects in schools and colleges. The utility of science in this regard is forcibly shown in Dr. Tyler in his preface. Those who have any experience in tuition will confirm that very much of the difficulty and teaching lies in the schoolroom.

Tyler's Anthropology

A trustworthy and effective study of man and civilization. American readers in Appleton's popular treatises on *Anthropology* and *Tribe*. The author's aim in this scientific research is to exclude as big as matters strictly technical, at the great body of readers who have are receiving, the ordinary high school, the crowded and the effect of the study of anthropology rather to lighten than increase learning, for it connects into a able whole the scattered subjects of schools and colleges. The utilization of this in this year. Those who Dr. Tyler in his place. Those who any experience in tuition will confirm that very much of the difficulties and teaching lies in the schoolplace is among the purposes of know something of its early history, from the staple wants and primitive mankind, he would find able to lay hold of it than when he, he is called on to take up the subject, not at the beginning, but in the middle of the study. There are of striking instances. The first of many beginners to geometry, as

Tylor's Anthropology

A trustworthy and effective study of man and civilization for American readers in Appleton's popular series of books, *THE ANTHROPOLOGY OF TYLOR*. The author's aim in this scientific research is to exclude all but all matters strictly technical, at the great body of readers who have been misled by the ordinary hazy conception of the word. The effect of the study of anthropology tends to lighten than increase learning, for it connects into a single whole the scattered subjects of education and culture. The science in this regard is forcibly put. Dr. Tylor in his preface. Those who have any experience in tuition will confirm that very much of the difficulty and teaching lies in the explaining clear what such science is and its place is among the purposes of know something of its early history arose from the simpler wants and primitive mankind, he would find it hard to be so much as to happen, is to be called on to take up subject, not at the beginning, but in the middle of the study. The author illustrates this principle of striking instances. The most beginners to geometry, as the English say, are the most advanced of three really understands learning, is largely due to the student shown first the practical, common place point where the old carvers began to make out the of distance and the beginning of the law student plunges at once into intricacies of legal systems grown up through the struggles,

Tyler's Anthropology

A trustworthy and effective study of man and civilization. American readers in Appleton's popular treatise on *Anthropology by T. T. Tyler*. The author's aim in this scientific research is to exclude as big as matters strictly technical, as the great body of readers who have are receiving, the ordinary higher education. Recondite as it is in the study of an anthropologist rather to lighten his mind in learning, for it connects into a whole while the scattered subjects in schools and colleges. The utility of science in this regard is forcibly Dr. Tyler in his preface. Those who are interested in the subject of man and teaching life in the ethnology clearly what each science of art in place is among the purposes of know something of its early history. The author illustrates this principle from the simplest way and primitive man, and the first of the terrible to lay hold of it than we suspect, not at the beginning, but in the author illustrates this principle of striking instances. The domesticated animals, for example, the eagle, the fact that not only two of three really understood wing, is largely due to the student shown first the practical, common place point where the old carvers builders began to make out of distance, and the fact that the of the law student plunges at once into intricacies of legal systems grown up through the struggles, and even the blunders of the years, whereas he might have been clearer by seeing how laws began in the traces of the primitive and barbaric tribes. Again, when a scholar has learned something of the means of conveying by gestures and then has been led to see how the of articulate speech are improved by the use of the hand, he has the power of making his hands his

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A trustworthy and effective study of man and civilization

American readers in Appleton's popular treatise, on *Anthropology* by Dr. D. T. Tyler.

The author says that his scientific research is to exclude as big as matters strictly technical, at the great body of readers who are receiving, the ordinary higher schools and colleges.

The effect of the study of anthropology rather to lighten than increase learning, for it connects into a whole the scattered subjects of schools and colleges. The utility of science in this respect is shown by Dr. Tyler in his preface. Those who have any experience in tuition will confirm that very much of the difficulty and teaching lies in the school, and clearly what each science of art is to do among the people who know something in the early history of man from the sturpiest waste and primitive mankind, he would find it hard to lay hold of it than when it happens, he is called on to take up the subject, not at the beginning, but in the middle of the subject. The number of striking instances, The do many beginners to geometry, as Euclid, the fact that not one tyro out of three really understands what is, is largely due to the student's showing that the student is not a student, but a student, the old builders began to make out of the distances and spaces in their the law student plunges at once into intricacies of legal systems and even through through the blunders and even the blunders of the years, whereas he might have been clearer by seeing how laws begin in plain forms, framed to meet the needs and barbaric tribes, Asian, when the student is not a student, but a student, the means of conveying by gestures and thence has been to see how the views of articulate speech are improved by such lower methods, he makes a few of the sciences of language than if he had seen that the whole of the subject, which look at first like a subject, framed to perplex rather than to its specific purpose of explaining all of the higher civilizations, by tracing their germs in the rudest forms of thought, the whole of Dr. Tyler's carried out with marked success in language, writing, the useful arts, social customs, science, and

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A trustworthy and effective study of man and civilization among readers in Appleton's popular treatises on *Anthropology* by Dr. T. W. Tyler. The scientific research is to exclude as big as matters strictly technical, as the great body of readers who have are receiving, the ordinary higher education. Rebounded as it is in effect to the student, it is rather rather to lighten than increase learning, for it connects into a whole the scattered subjects of schools and colleges. The utility of science in this regard is forcibly shown in his chapters on the many experiences in tuition will confirm that very much of the difficult and teaching lies in the school, clearly what each science of art is place is among the purposes of know something of its early history. But in his chapter on the primitive mankind, he would find able to lay hold of it than when happens, he is called on to take up subject, not at the beginning, but in the middle. The author illustrates this principle by the example of Euclid, for many logicians to geometry, as Euclid, the fact that not one type out of three really understands it, is largely due to the student shown first the practical, common point where the old carmen began, and then the points of distance and spaces in the way the last student plunges at on the intricacies of legal systems, grown up through the struggles, and even the blunders of the years. He shows how to begin clearer by seeing how law is built in plot forms, framed to meet the needs and barbaric tribes. Again, when an scholar has learned something of means of conversing by gestures and thence has been led to see how the human mind has been able to use such lower methods, he makes a few of the science of language than if he prepared among the subtleties of which look at first sight like are framed to perplex rather than to enlighten. The student, by tracing of the higher civilization, by tracing its germs in the rudest forms through the whole of Dr. Tyler's carried out with marked success in on language, writing the useful and the interesting.

There are, of course, various ways of speaking words, draw pictures, write letters. To what a high point of comprehension gestures and pictures may reach, and to what a low kind can be inferred from what is among the deaf and dumb. The sign of the far West, in which conversation on hunting parties of natives, and even between Indians and whites, may resort to the use of the gesture language. Another source of materials for a natural language is to be found in the gibberish from an artificial language found in emotional cries or tones as sounds. This kind of utterance is found in fact in all languages, whatever be the artificial combinations and sounds they may exhibit at other times.

Tyler's Anthropology

A trustworthy and effective study of man and civilization American readers in Appleton's popular library, *Dr. Dyer's Anthropology*. The author aims in this scientific research is to exclude as big as matters strictly technical, as the great body of readers who are receiving, the ordinary high-school and college students, the effect of the study of anthropology to lighten than increase learning, for it connects into a whole the scattered subjects of schools and colleges. The utility of this is in this, that the *Dr. Dyer* in his preface. Those who any experience in tuition will content that very much of the difficult and teaching lies in the school, and clearly what each science of art is through the study of the past, of know something of the early history, from the sterner waste and primitive mankind, he would find able to lay hold of it than when he subject, he is called on to take up the aspect, not at the beginning, but in the middle of the study. The number of striking instances, The do many beginners to geometry, as Euclid, the fact that not one type out of three really understands it, is largely due to the student who is plunged into the study of a language point where the old car builders began to make out of the distances and spaces in their the law student plunges at once into intricacies of legal systems and goes through the study of the law and even the blunders of the years, whereas he might have clearer by seeing how laws begin in simple forms, framed to meet the needs and barbaric tribes. Again, when the student is called on to study the means of conversing by gestures and there has been led to seek out the values of articulate speech are improved such lower methods, he makes a false science of language than if he had been led through the study of the which look at first might like a framed to perplex rather than to a specific purpose of explaining all of the higher civilizations, by tracing their germs in the rudest forms of language, the whole of Dr. Dyer's carried out with marked success in on language, writing, the useful arts, social customs, science, and in men, can, and, in fact, do various ways. The study of the science of speak words, draw pictures, write of letters. To what high point of comprehensiveness gesture language has been worked up among primitive kind can be inferred from what is known of the state of the world, of the far West, in which conversation between hunting parties of natives, and even between Indiana tribes, may be regarded as surviving the gesture language. Another glimpse of the value of gesture language is given in emotional cries or tones as sounds. This kind of utterance and, in fact, is understood by a whatever be the artificial combination of tones and words, and is the only one. It is certain that the lower well as man, make gestures and serve as communications or signals. Languages do not answer this perfectly than the hen's cluck to call out to her chicks, or the dog's howling his head, wags of a dog, or with which a dog signifies his wish the door opened. It is worth no large survivals of this primitive

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There are, of course, various weaknesses, and, in fact, do communicate another. They can make gestures and speak words, draw pictures, write letters, and, what a high point of progress, they can use the alphabet. But have been worked up among primitive kind can be inferred from what is among the deaf and dumb. The signs of the far West, in which conversation on hunting parties of nature, have been observed among tribes, may be regarded as surviving the gesture language. Another source of materials for a natural language is the signs of distress, grieved from an artificial language found in emotional cries or tones as the sound of a bell, or the cry of pain, and, in fact, is understood by whatever be the artificial combination sounds may happen at any use. It is certain that the lower races can make gestures and signs, but the language does not answer its purpose than the hen's cluck to call hens, or the bellows of rage with which a dog warns off a dog, or with which a dog signifies his wisdom. The signs of distress, however, do survive of this primitive signs and exclamations may be observed primitive races. We may add that the signs these primitive methods of teaching little children to think and to express their thoughts by rational and imitative sounds are the all language, and that although now show no trace of such origin, none have quite lost it in the use of pronunciation and meaning they have lost it, that the signs by symbols which children have to meaning of from their teachers, however, is unwilling to accept this complete explanation of the origin of language, besides the emotional imitative ways, several other devices by which the child learns to express his mind, from what is known as the methods of choosing signs, it is like was always some kind of fitness or

Tyler's Anthropology

A trustworthy and effective study of man and civilization. American readers in Appleton's *American Series* will find this a most interesting and profitable book.

The author's aim in this scientific research is to extend as far as possible the study of anthropology to all matters strictly touching the great body of readers who have to receive, the ordinary high-school student, the popularizer of the study of anthropology, the effect of the study than increase learning, for it connects into a whole the scattered subjects of schools and colleges. The utility of this is in the fact that Dr. Tyler in his preface. "Those who have no experience in tuition will confirm that very much of the difficulty and teaching lies in the effect of clearly what each science of art is, through among the popularizer of know something of the early history of man from the sturpiest waste and primitive mankind, he would find it able to lay hold of it than what he expects, he is called on to take up subject, not at the beginning, but in the middle, and to take up a number of striking instances. The difficulty for many beginners to geometry, as Euclid, the fact that not one type out of three really understands it, is largely due to the student's struggle through the middle of the language point where the old carpenter builders began to make out of the distances and spaces in their the law student plunges at once into intricacies of legal systems and gets through with a vengeance, and even the blunderer of the years, whereas he might have made clearer by seeing how laws begin to plant forms, framed to meet the needs and barbaric tribes. Again, when the student has to learn a new language, the means of conversing by gestures and the means has been led to seek out the phrases of articulate speech are improved by lower methods, he makes a false science of language than if he had been able to get through the middle of the far West, in which conversing carried out with marked success in on language, writing, the useful arts, social customs, science, and music.

There are, of course, various ways men can, and, in fact, do communicate with each other. They can speak words, draw pictures, write letters. To what high point of comprehension gestures language has been worked up among primitive kind can be inferred from what we know of the state of affairs in the time of the far West, in which conversing carried on between hunting parties of natives, and even between Indiana tribes, may be regarded as surviving the gesture language. Another example of the use of gesture language is furnished from an artificial language based in emotional cries or tones and sounds. This kind of utterance and, in fact, is understood by a whatever be the artificial combination of tones and sounds. It is certain that the lower as well as man, make gestures and serve as communications or sign language does not answer to us perfectly than the hen's cluck to call her chickens, or the dog's howling to draw his head, wags of a dog, or with which a dog signifies his wisdom. It is worth noting that large survived of this primitive gesture and exclamations may be observed in the speech of the lower animals. We have seen these primitive motifs of teaching little children to think. It is maintained by some philologists that imitative sounds are the origin of language, and although the trace of such sounds in our language have quite lost it in the of pronunciation and meaning they through, so that they are now but symbols which children have to meaning of from their teachers. However, the explanation of the origin of the ennumerates, besides the emotive native ways, several other devices have been chosen to express thoughts. It is certain that, from what is known of the history of language, it is always some kind of finger or which led to each particular sound to express a particular thought.

In another chapter Dr. Tyler on an interesting question, what can be learned from the history of the speaking them, and the history of the long to. Of course a man's language, and certain proof of his parentage, cases in which it is totally misleading instance of English-speaking negroes.

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Tyler's Anthropology

A trustworthy and effective study of man and civilization. American readers in Appleton's popular treatise on *Anthropology* by Dr. D. G. Tyler. The author's scientific research is to exclude as big as matters strictly technical, at the great body of readers who have are receiving, the ordinary higher education. Exceeded as it is in the author's to the study of the rather to lighten than increase learning, for it connects into a whole the scattered subjects of schools and colleges. The utility of science in this regard is forcibly shown by his high estimate of any experience in tuition will confirm that very much of the difficult and teaching lies in the school, clearly what each science of art is placed is among the purposes of know something of its early history. Dr. Tyler's study of the primitive mankind, he would find it able to lay hold of it than what happens, he is called on to take a subject, not at the beginning, but in the middle. The author illustrates this principle by the history of geometry, as of Euclid, the fact that not one type out of three really understands writing, is largely due to the student shown first the practical, common line point where the old cartographer's bogged down by a mass of distances and spaces in the few the last student plunges at an intricacies of logical systems grown up through the struggles, and even the blunders of the years. The author's study is made clearer by seeing how laws begin in the simplest forms, framed to meet the needs and barbaric tribes. Again, when an scholar has learned something of the means of conversing by gestures and signs, he has been led to the study of articulate language, and the use of such lower methods, he makes a false science of language than if he has prepared among the subtleties of which look at first sight like are framed to perplex rather than to enlighten the mind. The study of the higher civilizations, by tracing their germs in the rudest forms through the whole of Dr. Tyler's carried out with marked success in on language, writing the useful art of the human mind.

There are, of course, various ways another. They can make gestures or speak words, draw pictures, write or letters. To what a high point of progress have we come! But the evidence among the deaf and dumb. The sign of the far West, in which conversation among the deaf and dumb, and even between Indians and the white race, is by means of the gesture language. Another source of materials for a natural language is found in the signs of grief from an artificial language found in emotional cries or tones and sounds. This kind of utterance and sound is far less than any of whatever be the artificial combination sounds they may happen at any time. It is certain that the lower races, as well as man, make gestures and serve as communications or signs language. The deaf and dumb use perfectly than the hen's cluck to call, or the bellow of rage with which he tossing his head, warns off a dog, or with which a dog signifies his wisdom or greed. It is worth noting that signs and exclamations may be observed among the primitive races. We may add that the nurses use these primitive methods of teaching little children to think.

It is maintained by some philologists that the origin of all language, and that although now show no trace of such origin, since they have quite lost it in the use of pronunciation and meaning they through, so that they are now but symbols which children have to learn to use. It is a general opinion, however, is unwilling to accept this complete explanation of the origin of the enumerations, besides the emotive uses, several other devices by which man has chosen to express thoughts and feelings, from what is known as the methods of communicating by signs. It was always some kind of fitness, or which led to each particular sound to express a particular thought.

In another chapter Dr. Tyler on interesting question, what can be learned from the study of the signs of speaking them, and the races these long to. Of course a man's language and certain proof of his parentage, cases in which it is totally misleading. Instances of English-speaking negroes in the States. Again, though the language of the negro. But he has fallen out of use in Cornwall, the remains, and it would be a perversion to class the modern Cornish pure English race because they speak it, although conquest and slavery have changed the language of the people so that the spoken tongue of a nation tell the whole story of their ancestry a part of it, and that a most important record of the settlement and gradual development of a nation. It is a tell of the race who were in the them, and with whom they mixed. It is not words borrowed from one language, other, while they do not prove a certain, and intercourse between the races, and the development of a new country from which some new pronunciation, or some new instrument, or situation was learned. Thus in England, we see how Italy took with the Germans, and Spain with the Arabs, and the language of the South Sea is represented by *tahoo* and *tatoo*.

When two languages have not a common origin, the philologist is not content a unity of origin by merely looking for few words of similar sound. On the he expects to find that, as regards words of the ancestral language with the same meaning, he will find that they will often have changed a great deal. Then there is one Indo-Germanic group; and another

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 will remember, do not fall into the Semitic
 or Aryan category. The Georgian of the Caucasus,
 the Basque of the Pyrenees, and several
 more, are apparently unconnected with either
 of the great families or with each other.
 Dr. H. H. Tylor helps us to understand
 civilized life, by showing how it strikes the barbarian,
 who has not even a notion that such a thing
 can be. A South Sea Island missionary
 tells how once having forgotten a tool, he wrote
 a message for it with a bit of charcoal on a chip,
 and sent this to his wife with a small chief, who
 carried it to his wife's house, and found that
 a month, carried it for chip said to have
 a string around his neck, and told his wonder-
 ing countrymen what he saw it do. So in South
 Africa, a black messenger carrying a letter he
 was known to hide it under a stone while he
 loitered by the way, lest it should tell tales
 of him. In the case of the South Sea Islanders
 going on. Yet the art of writing, mysterious
 it seemed to these rude men, was itself de-
 veloped by a few steps of invention with which the
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 mal. Dr. Tylor points out, however, that the
 power of using tools is not a necessary accom-
 paniment of the power of the hands exhibit all
 rudiments of the implement-using faculty.
 Thus they defend themselves with missiles,
 when crangs in the durian trees peel passages
 by with the thorny fruit, and the chimpanzee
 the forests is said to crack nuts with a stone.
 The rat, that apes we saw at the zoo, and the
 almonds with smooth pebble precisely as
 women do in the south of France. It is prob-
 ably a better definition of man-to call him
 tool maker than a tool user. Looking at the
 various sorts of implements, we see that these
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 of genius, but developed by small successive
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work. A Zulu seen at work scraping the stone that is to be the shaft of his assegai with the very iron head that is to be fixed on it may give an idea what early tool making was like before the use of the wheel. The stone is of a shape and instrument suitable for a lance head was not the best for cutting and scraping. We should be horrified at the thought of a blacksmith striking out one of our teeth with his pincers, as our forefathers would have let him do; and the forceps we expect the dentist to use is a far more delicate instrument. In the history of instruments the tools of the mechanics cannot well be kept separate from the weapons of the hunter or soldier, for, in several cases it will be found that both tool and weapon had their origin in some earlier instrument. The spear-thrower, the flint-bow, the kukri, the knife, the club, the timber of the hunter and the men. It is curious also to observe how the rudest of primitive weapons, the club, survived as a symbol of power, long after its use as a warlike use has ceased, as when the ace of spades carried as an emblem of the royal sovereign, and laid on the table during the coronation of England, or the flag of the Emperor of China, and that at the earliest times known of man's life on the earth, pointed and edged instruments of sharp stone are among his chief relics. Even in the mammoth period he had already learned not to be content with accidental chips of flint but knew how to knock off two-sided and three-sided flint by flint, and from a suitable stone was the foundation of stone implement making, and a good idea of the work that could be gained from the gunflint maker of to-day who, one or two generations ago, carried on his trade in a primitive craft, though with better tools and different purposes. The finest flint knobs discovered in the Neolithic period were made of flint, such as were not struck off, but forced off the pressure with a flaking tool of wood or horn.

work. A Zulu seen at work scraping the stone that is to be the shaft of his assegai with the very first hard tool he is to fix on it may give us some idea of early tool making. The stone is not very clear, and instead of the pattern of a stone instrument suitable for a lance head was the best for cutting and scraping. We should be horrified at the thought of a blacksmith pulling out one of our teeth with his pincers, as we found the Zulus did. The Zulus, however, do not use the forceps we expect the dentist to use, but only a variety of the smith's tools. In the history of instruments the tools of the mechanics cannot well be kept separate from the weapons of the hunter or soldier, for as we saw the Zulus do, the tools of the hunter's weapon had their origin in some earlier instrument that served alike to break skulls and cocoanuts, or to hack at the limbs of trees and men. It is curious also to observe how the Zulus use the assegai as a symbol of power, long after its original warlike use has ceased, as when the magistrate carried as an emblem of the royal sovereignty and laid on the table during the sitting of Parliament or the Royal Society. We need not wonder that the Zulus should have been so fond of the spear, pointed and edged instruments, and sharp stone are among his chief relics. Even in the mammoth period he had already learned never to be content with accidental chips of flint but knew how to knock off two-sided flake after flake of flint, and to hammer the stone. This was the foundation of stone implement making, and a good idea of what could be gained from the gunflint maker of today, one or two generations ago, carried on in the primitive age, though with better tools, and for a different purpose. The Zulus, however, do not carve as we do among the veetings of the stone age, and such as were not struck off, but forced off by pressure with a flaking tool of wood or horn or bone. In this way, doubtless, were made the beautiful flukes of the pyramids, and the native barbed spears of Mexico, and the assegais of the Zulus. Soldiers, used to shave. Here we may note that the word "cell" has nothing to do with the people called Celts, and is probably a gross misnomer, which will scarcely survive the age of the automobile. The word is derived from the Vulgate. The term is taken from the supposed Latin word *celus* (rendered "chisel") in the Vulgate translation of a verse of Job, but it is believed that "graven with a chisel (*celle*) in the rock" is only a copyist's blunder for "graven (*celle*) in the rock, and if so, then *celle* is a purely accidental word.

As to how simple mechanical powers were first discovered, it is of no use to guess in which rude and early ages men found that stones or blocks too weighty to lift by hand could be picked up and moved along with a stout staff or rolled on two or three round poles, or got up a hill under the aid of rollers. The first step, short, steep rise. These simple discoveries as those of the lever, roller, and inclined plane are quite out of historical reach. The ancients Egyptians used wedges to split off their huge blocks of stone, and one wonders that, knowing the use of the wedge, they did not resort to the levering of their ships. A draw well with a pulley is to be seen in the Assyrian sculptures where also a huge winged bull is being heaved along with levers and dragged on a sled with two long rollers. The lever, the roller, and the pulley, which is among the most important machines ever contrived by man, must have been invented in ages before history. To appreciate their constructive skill to which the leading nations had already attained in times we reckon as of high antiquity, we need only look at the closely the Egyptian war chariots, with their neatly fitted and firmly fixed spoke wheels turning on their axles, secured by limchpins into the body pole, and double harness short and without pulleys. In looking for some of the lower order of primitive inventions, we should pause over the skilled work of Egyptian chariot makers and the Roman carriage builders, and give special heed to the plastrum, or farm cart of the ancient world. This in its rude

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